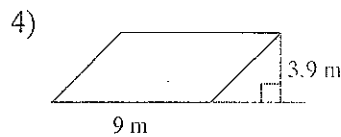
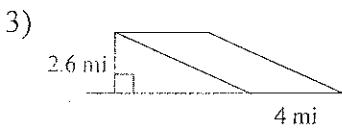
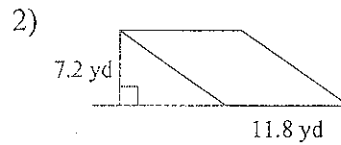
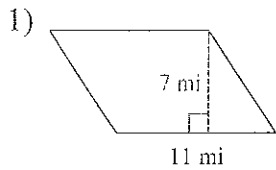


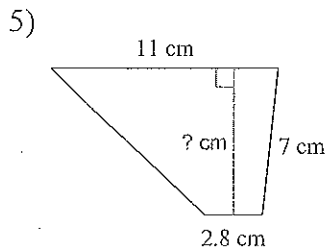
Assignment

Date _____ Period _____

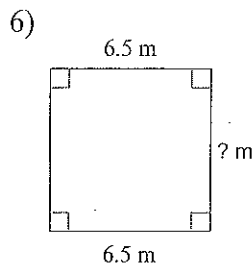
Find the area of each.



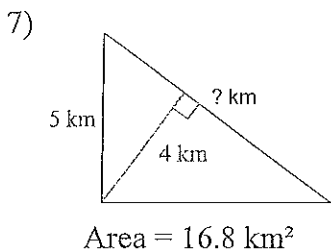
Find the missing measurement. Round your answer to the nearest tenth.



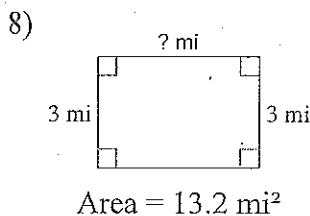
Area = 48.3 cm^2



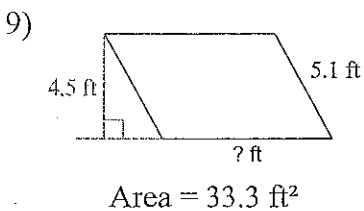
Area = 42.3 m^2



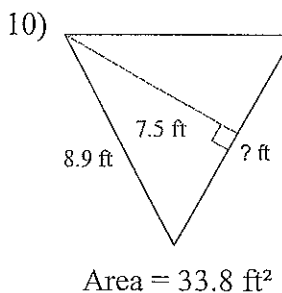
Area = 16.8 km^2



Area = 13.2 mi^2



Area = 33.3 ft^2



Area = 33.8 ft^2

Find the distance between each pair of points.

11) $(-2, -5), (2, -6)$

12) $(7, -3), (5, -3)$

13) $(3, -6), (4, 7)$

14) $(7, -2), (-1, -1)$

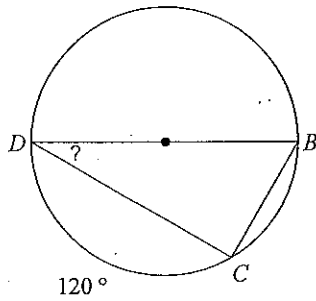
15) $(2, 3), (-3, -3)$

Assignment

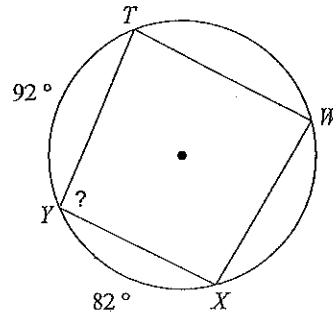
Date _____ Period _____

Find the measure of the arc or angle indicated.

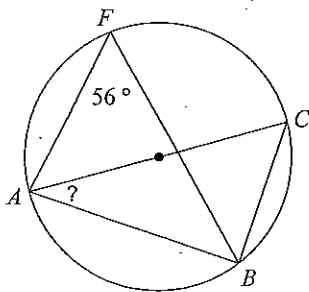
1)



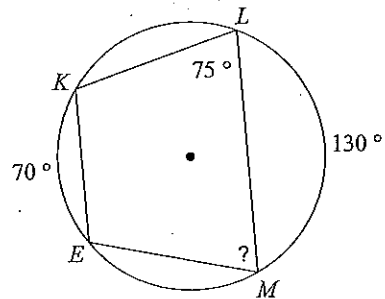
2)



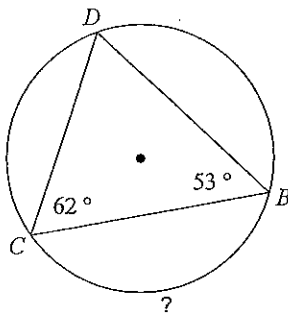
3)



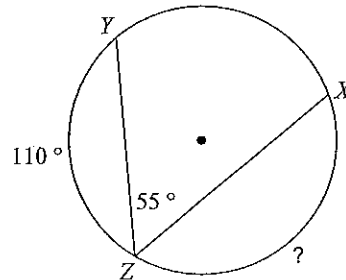
4)



5)

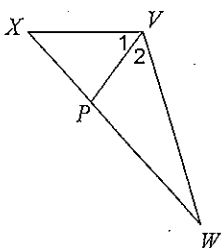


6)

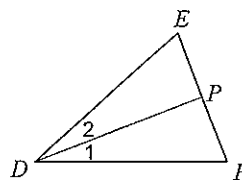


Each figure shows a triangle with one of its angle bisectors.

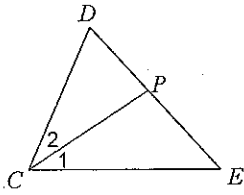
7) Find x if $m\angle 1 = 53x$ and $m\angle XVW = 105x + 1$.



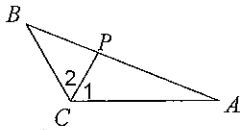
8) Find x if $m\angle 2 = 7x$ and $m\angle 1 = 6x + 3$.



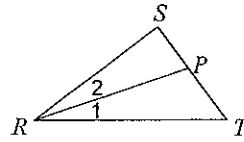
- 9) Find x if $m\angle 1 = 4x + 9$ and $m\angle ECD = 11x$.



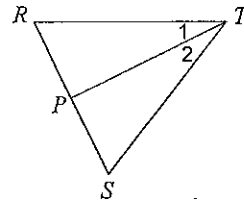
- 11) $m\angle 2 = 7x + 4$ and $m\angle 1 = 8x - 4$.
Find x .



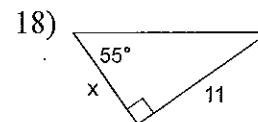
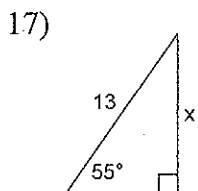
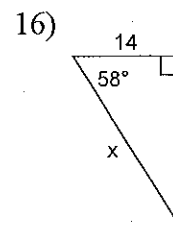
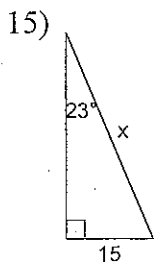
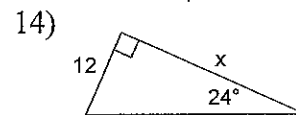
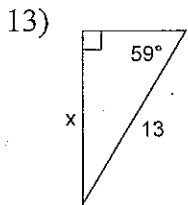
- 10) $m\angle 2 = 2x + 2$ and $m\angle 1 = 3x - 6$.
Find x .



- 12) $m\angle 2 = 4x - 2$ and $m\angle 1 = 3x + 5$.
Find x .



Find the missing side. Round to the nearest tenth.



Assignment

Date _____ Period _____

Solve each equation by factoring.

1) $(x - 7)^2 = 0$

2) $(7m + 5)(m + 7) = 0$

3) $x(x + 2) = 0$

4) $(n + 2)(n - 6) = 0$

5) $b^2 + 24 = -11b$

6) $5b^2 - 140 = 15b$

7) $x^2 - 16x = -64$

8) $m^2 - 2m = 0$

9) $10v^2 - 30v + 14 = -4 - 2v^2$

10) $48k^2 - 112k + 35 = -k^2 + 7$

Solve each equation with the quadratic formula.

11) $-6n^2 + 2 = -9n$

12) $7m = -2 - 5m^2$

13) $6r^2 - 19 = -3r^2$

14) $7x = -20 + 3x^2$

Solve each equation by taking square roots.

15) $9x^2 + 6 = 798$

16) $49x^2 - 9 = 0$

17) $7 + 9v^2 = 107$

18) $2 - 6n^2 = -550$

Solve each equation by completing the square.

19) $x^2 - 20x - 35 = 9$

20) $m^2 + 12m - 48 = -3$

21) $v^2 + 18v + 50 = -9$

22) $p^2 + 2p - 89 = 9$